

From: James Nelson<JIM-N@ipsc.com> (Bret Kent)
To: Aaron Nissen; Garry Christensen
Date: 12/20/2010 12:38 PM
Subject: SAH leakage

Aaron and I spoke this morning regarding the most recent estimates/test results on SAH leakage. The last data I have is quite old. If either of you could email your latest numbers on the secondaries so I can make one final comparison to what Altsom is telling us, I would appreciate it. thx

From: Jerry Finlinson<Jerry-F@ipsc.com> (Bret Kent)
To: Bret Kent; James Burr; James Nelson; Phil Hailes
Date: 12/20/2010 12:38 PM
Subject: Fwd: Jim Bridger references.

FYI,

Here are some contacts at Jim Bridger on the new bottom ash, air heater and simulator projects.

Jerry Finlinson, Engineer
Intermountain Power Service Corp
850 West Brush Wellman Rd
Delta, UT 84624
435-864-6466 fax 0776/6670
jerry-f@ipsc.com

>>> "Aust, Gerry" <Gerry.Aust@Pacifcorp.com> 5/31/2003 7:03:50 AM >>>

Jerry,

You are very welcome for the tour. We enjoyed showing you all our installation. I made a CD with graphics and boxed it up for you. It should go out in Monday's mail. Here is the contact information you requested:

Drag Chain Project Engineer: Mike Meyer, 307-352-4285
Air Preheater Upgrade Engineer: Jason Zakotnik, 307-352-4306
Simulator Instructor (Shift Supervisor): Brian Gallagher, 307-352-4378 or 4276

Gerry Aust
Engineer, Jim Bridger Power Plant
307-352-4291

-----Original Message-----

From: Jerry Finlinson [<mailto:Jerry-F@ipsc.com>]
Sent: Friday, May 30, 2003 1:23 PM
To: gerry.aust@pacifcorp.com; john.kessock@pacifcorp.com; paul.shepherd@pacifcorp.com
Subject: Thanks for Plant Tour

Thanks for the very informative and interesting tour of the Jim Bridger plant on 29 May 03.

We were especially interested in your Ovation DCS project installation, control room and simulator.

It was a good day for us and we learned several things that will be of use to us in our upcoming project.

Also it was also interesting to see the new bottom ash drag chain conveyor system.

Can you give me the name and phone number for the engineer over that project?

How about the air heater element upgrade project?

What was the name of the simulator guy?

Our operators would still like a copy of your graphics.
Our email administrator says that we don't have any email limit. Maybe
you could divide them up into smaller groups and send a few email
enclosures around 20 MB each.
Or you could burn a CD and mail it to me at the address below.

We appreciate you spending the time with us during a busy outage.
Good luck with the rest of the outage and your startup in a couple of
weeks.

Thanks, Jerry Finlinson

Jerry Finlinson, Engineer
Intermountain Power Service Corp
850 West Brush Wellman Rd
Delta, UT 84624
435-864-6466 fax 0776/6670
jerry-f@ipsc.com

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Bret Kent - Statement of Liquidated Damages

From: Bret Kent<Bret-K@ipsc.com> (Bret Kent)
To: James Nelson
Date: 12/20/2010 12:38 PM
Subject: Statement of Liquidated Damages

James,

I included a Statement of Liquidated Damages to the bottom of the Air Heater Spec. I copied, no plagiarized I believe fits better, the performance guarantee as supplied by Alstom. The reason is the statement found at the bottom of their guarantee:

THE EXPRESS WARRANTIES, GUARANTEES, AND REMEDIES SET FORTH IN THIS PROPOSAL, OR ANY CONTRACT RESULTING FROM THIS PROPOSAL, ARE EXCLUSIVE, AND NO OTHER WARRANTIES, GUARANTEES, OR REMEDIES OF ANY KIND, WHETHER STATUTORY WRITTEN, ORAL, EXPRESS, OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY SHALL APPLY. THE PURCHASER'S EXCLUSIVE REMEDY AND THE SELLER'S SOLE OBLIGATION, AFTER ACCEPTANCE OF THE EQUIPMENT SHALL BE THOSE STATED HEREIN.

My fear was that much deviation from their guarantee would result in long delays in getting the contract approved.

Also find my comments to your spec in red text.

Please read through and comment.

Attached is the Alstom proposal for reference.

James,

I am not sure if you are here still, so I will copy Jerry.

I am estimating \$2,405,200 for materials and Tech Serv Rep.

That leaves \$1,094,800 from the \$3.5M budgeted.

The labor requirements are 12 Men Working 12 Hour Shifts will finish 1 SAH in 38 Shifts.

That is a total of 21,888 Hours (14,592 Reg and 7,296 OT) for all 4 SAH's. Assume an hourly rate of \$40/hour

That totals \$1,021,440 in labor. That leaves a scanty \$73,360.

It may need to be increased.

Bret

From: Bret Kent
To: Bret Kent; Colleen Ogden; James Nelson; Jerry Hintze
Start: 9/5/2003
Due: 12/20/2010
Subject: Secondary Air Heater Requisition and Tech Spec

Specification found in:

E:\DRAWINGS\Current\Projects\IGS03\IGS03-02 Air Heater Element Replacement\5.Design\SAH Hdware Spec.wpd

Hard copy of Requisition will be routed.

IP7_022145

Bret Kent - New Performance Numbers

From: Bret Kent<Bret-K@ipsc.com> (Bret Kent)
To: Gary Allen
Date: 12/20/2010 12:40 PM
Subject: New Performance Numbers

Gary,

Per our phone conversation, could you provide new performance guarantees for the SAH based on these updated numbers. These numbers reflect the changes that have been put into operation over the last few years as part of a boiler uprate project. The changes bring our net operating conditions to 950 MW per unit.

Operating Conditions (Flows are for two air heaters)
Air Entering.....6,030,470 lb/hr
Air Entering Temp.....66.7 deg F
Gas Entering.....7,132,104 lb/hr
Gas Entering Temp.....751 deg F

If you need any additional information please let me know.

Regards,

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Bret Kent  
Intermountain Power Service Corp  
850 West Brush Wellman Rd  
Delta, UT 84624

ph. (435) 864-6447  
fx. (435) 864-0747  
[bret-k@ipsc.com](mailto:bret-k@ipsc.com)  
<http://www.intermountainpower.com/>

**From:** <gary.c.allen@power.alstom.com> (Bret Kent)  
**To:** Bret Kent  
**Date:** 12/20/2010 12:40 PM  
**Subject:** Re: New Performance Numbers  
**Attachments:** 4100.cus.xls

Dear Bret,

Attached are the new performance numbers based on the flows and temperatures you gave us. The pressure drop increased less than I thought it would. Also, the Air out temperature increased to 698 deg.F. which means the air preheater now has a gross fuel savings of \$11,694,900 per year. That's almost \$2,000,000 more than the original design. Please advise that this new performance is OK to proceed with for the guarantees. If OK, we will send the guarantees with our formal quote.

(See attached file: 4100.cus.xls)

Gary Allen